Fenil Suchak

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EDUCATION

BITS Pilani	Goa, India
B.E.(Hons.), Computer Science	*Aug. 2016 – Aug 2021*
BITS Pilani	Goa, India
MSc.(Hons.), Economics	*Aug. 2016 – Aug 2021*

EXPERIENCE

Data Science Intern — Sept 2019 – Present
Ernst and Young LLP — *Gurgaon, India*

- Designed and Implemented framework for efficient and parallel scraping
- Built deduplication algorithm for skills database
- Designed clustering techniques for grouping and analyzing similar roles
- Developed content matching algorithm to map modules to courses on a semantic level
- Worked on MLOps with libraries like MLflow and deployment services like AWS Sagemaker
- Worked with algorithms like Word2Vec, BERT, LDA, PLDA

Intel AI student Ambassador — Jul. 2019 – Present
BITS Pilani K.K. Birla Goa Campus — *Goa, India*

- Contributed Research Articles and Projects to Intel Devmesh community
- Organized Machine Learning Hackathon by designing and preparing datasets on Kaggle

Course Instructor — Aug 2018 – Dec 2018
BITS Pilani, CTE — *Goa, India*

- Taught Introductory Machine Learning course to freshman students
- Topics covered were feature engineering, over/under sampling, boostrapping, tree based algorithms, boosting, ensembling, svm, pca
- 150+ students completed the course
- Designed evaluation components

PROJECTS AND ACHIEVEMENTS

Flipkart Grid Hackathon | *Python, Machine Learning, Deep Learning* — Jan 2019 – Mar 2019

- 60th out of 6000 (Top 1) (4th on campus) — Jan 2019
- The competition was divided into three stages
  - Stage 1 was Machine Learning Quiz
  - Stage 2 was Object Localization task with less data models like Fast RCNN, Yolo were used
  - Stage 3 was the same task but with more data hence the previous algorithms were too heavy and had to resort to custom models and simpler pretrained models with finetuning

Epileptic Seizure Prediction | *Machine Learning, Deep Learning, Signal Processing* — May 2018 – Dec 2018

- Reproduced various state of the art techniques used in Epilepsy prediction and obtained state of the art results using alternate approach using Deep Learning.
- Used Classical Machine Learning as well as Deep Models for prediction
- Used Inception Network ensembled with Xgboost model for prediction

TECHNICAL SKILLS

Languages: Python, Java, C/C++, R, HTML/CSS
Developer Tools: Git, Docker, AWS Sagemaker, JupyterLab
Libraries: Pandas, Scikit-Learn, Gensim, Keras, Tensorflow, Mlflow, NumPy, Matplotlib